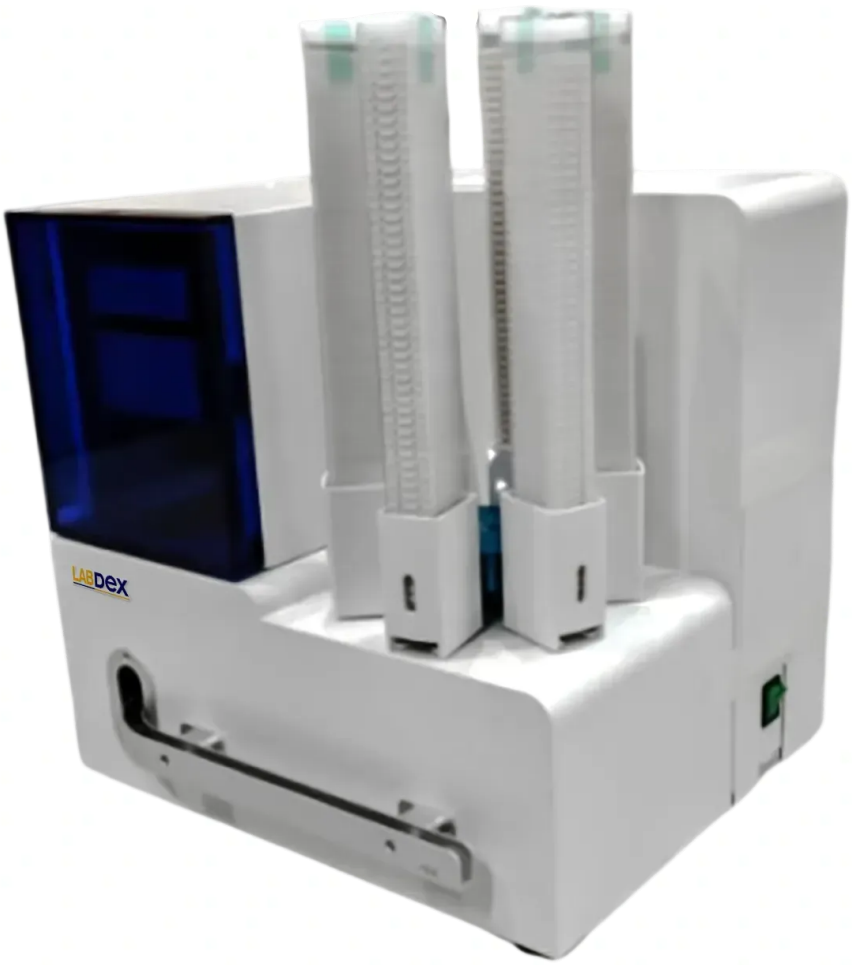
LABDEX



Cassette Printer LX103CP

Email: info@labdex.com **website:** www.labdex.com

Description

Cassette Printer LX103CP provides automatic batch printing, cassette collection, barcode scanning, and LIS connectivity with an abnormal-condition alarm and transparent hopper. It delivers high-definition, durable laser printing without ink or ribbon, supporting patient details, codes, dates, and QR codes. Designed for high-throughput pathology, histopathology, biopsy, and tissue-processing laboratories.

Specifications

Laser wavelength	1060 nm
Laser power	20 W
Marking range	200 x 200 mm
Marking depth	≤ 3 mm (Depending on material)
Cooling method	Air cooling
Loading capacity	Large 600 embedded boxes
Working temperature	10°C to 40°C
Humidity	10% - 90% (No condensation)
Repeat accuracy	± 0.01 mm
Minimum character	≥ 0.15 mm
Minimum line width	≥ 0.01 mm
Output beam quality	$M^2 < 1.8$
Beam quality resolution	1 Micron (More than 10 times from traditional products)
Marking speed	0 - 30000 mm/s

Linear speed	≤ 300 m/min
Fiber laser life	> 100,000 Hours
Laser Q - switched frequency	20 - 200 KHz
Average power	≤ 300 W
Connectivity	LIS Database, standard USB interface
Power	≤ 500 W
Power supply	AC 220 V, 50 Hz (5A)
External dimension (W x D x H)	400 x 435 x 420 mm
Net weight	40 Kg
Packing dimension	630 x 580 x 600 mm
Gross weight	50 Kg

Features

- Automatic batch printing with alarm and print suspension
- Transparent hopper for easy monitoring and loading
- 10 x 10 Matrix automatic cassette collection
- Color-coded cassette identification
- LIS connectivity with manual and barcode input
- High-definition, durable laser printing with ribbon- and ink-free
- Prints names, codes, text, dates, hospital name and QR codes
- Ultra-fast printing with no preheating
- Large capacity up to 600 cassettes

- Long-life laser source >100,000 hours
- Air-cooled laser system for stable, precise marking

Applications

- Designed for rapid and accurate identification of tissue specimens during histopathology and biopsy processing. Ideal for automated cassette labeling, sample tracking, and organized laboratory workflow.

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